## What is claimed is:

. . .

1. An imprint template for imprint lithography that comprises:

alignment marks embedded in bulk material of the imprint template.

- 2. The imprint template of claim 1 wherein one or more of the alignment marks are spaced one or more predetermined distances from a surface of the imprint template.
- 3. The imprint template of claim 1 wherein the one or more predetermined distances is sufficient to enable predetermined radiation to irradiate predetermined regions disposed under a surface of the imprint template.
- 4. The imprint template of claim 1 wherein the alignment marks are fabricated from a material whose index of refraction is different from that of at least the bulk material of the imprint template surrounding the alignment marks.
- 5. The imprint template of claim 1 wherein the alignment marks are fabricated from a material whose index of refraction is different from that of at least the bulk material of the imprint template surrounding the alignment marks and that of a material into which an imprint is made.
- 6. The imprint template of claim 1 wherein the alignment marks are metal.
- 7. The imprint template of claim 1 wherein a material disposed between the alignments marks and a surface

of the imprint template is the same material used to form other portions of the bulk material of the imprint template.

r v 💌

- 8. The imprint template of claim 1 wherein the surface of the imprint template includes a release layer.
- 9. The imprint template of claim 8 wherein the release layer is a fluorocarbon release layer.
- 10. The imprint template of claim 8 wherein the release layer is a covalently bonded, thin, fluorocarbon film.
- 11. An imprint template for imprint lithography that comprises:

alignment marks embedded in bulk material of the imprint template, with said bulk material being transparent to radiation having a predetermined wavelength and said alignment marks being are spaced one or more predetermined distances from a surface of the imprint template.

- 12. The imprint template of claim 11 wherein the one or more predetermined distances is sufficient to enable said radiation to irradiate predetermined regions in superimposition with the imprint template.
- 13. The imprint template of claim 12 wherein the alignment marks are fabricated from a material whose index of refraction is different from that of at least the bulk material of the imprint template surrounding the alignment marks.

£ 5 .

- 14. The imprint template of claim 13 wherein the index of refraction of the material differs from an index of refraction a layer into which an imprint is made.
- 15. The imprint template of claim 14 wherein the alignment marks are metal.
- 16. The imprint template of claim 15 wherein the surface of the imprint template includes a release layer.
- 17. The imprint template of claim 16 wherein the release layer is a fluorocarbon release layer.
- 18. The imprint template of claim 16 wherein the release layer is a covalently bonded, thin, fluorocarbon film.
- 19. A method for fabricating an imprint template for imprint lithography that comprises steps of:

depositing a mask on an imprint template;

etching alignment features through the mask into the imprint template;

depositing alignment marks into the alignment features:

depositing a material over the alignment marks; and removing the mask.

20. The method of claim 12 which further comprises treating the surface of the imprint template.